

Electrical Guide Rail Chain Bus

Abstract

Electrical Guide Rail Chain Bus (EGRCB) is a train like buses (or vehicles) that use a modify existing freeway center divider as its guide rail system. EGRCB will travel along the most inner freeway lane. EGRCB will run by following the both horizontal and vertical curvature of freeway center divider. Each individual bus will have two sets of wheels, each wheel set have two control guide arms attached to it for guiding the bus and also acts as a bridge to transmit the electrical power from guide rail system to the bus. Bus electrical motor will embed inside each wheel so that it power output can be control independently for balance the traction between the wheels.